





file Edit Ylew Iools Window Help

(8) Application of one or more than one layer of helically wound bare elongate elements of metal or metal alloy around the central core may be effected in tandem with the operation of forming the central core or it may be effected as a separate operation or separate operations. Feeding of the or each advancing actional fibre into the space bounded by the U-shaped elongate member and injection of greasy water-impermeable medium into the elongate compartment are preferably effected using at least one substantially rigid thin having an external diameter which is less than the internal diameter of the elongate compartment, which rigid ture is positioned in the space bounded by the U-shaped elongate member and extends beyond the means by which the U-shape elongate member is transversely folded or otherwise shaped to form the central core, the or each advancing organization fibre being fed into the upstream end of the rigid ture and extends beyond the means by which the U-shape elongate member is transversely folded or otherwise shaped to form the central core, the or each advancing organization fibre being fed into the upstream end of the rigid ture and out of the U-shaped member and extends beyond the means by which the U-shaped elongate member and the rigid turbe are swater-impermeable medium flowing out of the U-shaped member. Preferably, excess greasy water-impermeable medium flowing out of the O-shaped member. Preferably, excess greasy water-impermeable member and the rigid turbe and out of the U-shaped member. Preferably, excess greasy water-impermeable member and the first and out of the U-shaped member. Preferably is fed from a storage tank, the pressure and rate of flow of water-impermeable medium form the storage tank, first the tures being menally or automatically controlled. The storage tank, rigid turbe and reservoir positioned beneath the U-shaped member may form part of a circulatory system, water-impermeable medium in the reservoir from the U-shaped member being pumped back into the storage tank. Pre

(9) The rigid tube may have in its bore guide means for positioning a single optical fibre within the elongate compartment or two or more circumferentially spaced guide means for positioning two or more optical fibres in circumferentially spaced positions within the elongate compartment. The water-impermeable medium substantially filling the elongate compartment will serve to some extent to maintain a single optical fibre in the compartment spaced from the wall of the compartment or two or more optical fibres in the compartment circumferentially spaced with respect to one another although it will still permit relative movement between the optical fibres and the strandecbody when required. The rigid tube may be caused to rotate about its longitudinal axis so that the optical fibres fed into the elongate compartment each follows a helical path, or the rigid tube may be caused to oscillate about its longitudinal axis so that the optical fibres being fed into the elongate compartment each follows a helical path whose direction of lay reverses at

